

In the Claims

1.-69. (Cancelled)

70. (Currently Amended) A process for treating fibroses comprising administering a therapeutically effective amount of a pharmaceutical composition comprising at least one biocompatible polymer having the general formula (I):



wherein:

A is a glucose monomer;

X is $-\text{CH}_2\text{-COOH}$ or $-\text{CH}_2\text{-COO}^-\text{Na}^+$;

Y is SO_3^- ;

Z is phenylalanine or tyrosine;

a represents the number of monomers A such that the mass of said polymers of formula (I) is greater than approximately 5,000 Da;

x represents the substitution rate of the monomers A by the group X, and x is 19.8% 28.9% when Z is Phe and 19.8% when Z is Tyr,

y represents the substitution rate of the monomers A by the group Y, and y is 56.2% when Z is Phe and 65.9% when Z is Tyr, and

z represents the substitution rate of the monomers A by the group Y, and z is 17.9% when Z is Phe and 28.9% when Z is Tyr.